

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP COMMITTEE
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number:	12-405
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PROJECT INFORMATION

Project Title: Scadden Tank

Region and Game Management Unit: Region 4, GMU 44B south

Local Habitat Partnership Committee (LHPC):

- Southwest HPC

Was the project presented to the LHPC?

YES[X] NO[]

Has this project been submitted in previous years? YES[X] NO[]

If Yes, was it funded? YES[] NO[X] → HPC Project #:

Project Type: Water Development (new)

Brief Project Summary: Develop a new water catchment in the Plomosa Mountains to offset the highly disturbed natural water source, Dripping Springs. Proposal is for a 10,000 gallon underground 24" PVC storage using natural collection and walk in drinking trough. Project would be done in cooperation with the ADBSS.

Big Game Wildlife Species to Benefit: Desert Bighorn Sheep and Mule Deer

Implementation Schedule (Month/Day/Year):

Project Start Date: 1-1-14

Project End Date: 4-15-14

Environmental Compliance:

NEPA Completed: YES[] No[X] N/A[]

Projected Completion Date: 1-15-13

State Historic Preservation Office - Archaeological Clearance:

YES[] No[X] N/A[]

Projected Completion Date: 9-11-12

Arizona Game and Fish Department EA Checklist: N/A[]

To be Completed by: D. Pflieger

Projected Completion Date: 5-1-13

PROJECT FUNDING

Special Big Game License Tag Funds Requested:

\$ 31,232

Cost Share or Matching Funds:

\$ 24,825

Total Project Costs:

\$ 56,057

PARTICIPANT INFORMATION

Applicant (please print):

Deanna Pflieger

Address:

9140 East 28th Street
Yuma, AZ 85365

E-mail:

dpflieger@azgfd.gov

Telephone: 928-916-2004

Date: 8/28/2011

AGFD Contact and Phone No. (If applicant is not AGFD personnel):

Project has been coordinated with: Ed Jahrke (SSDV), Erica Stewart (biologist) BLM Yuma Field Office, ADBSS

NEED STATEMENT – PROBLEM ANALYSIS:

The project area contains an important population of bighorn sheep that has been used many times as a source of animals for transplant purposes. The nearest available water is a natural spring (Dripping Springs) that has become a popular OHV destination. The high volume of vehicular and human traffic has reduced the availability of the existing water source to wildlife populations. The addition of this new water source would restore and improve the quality of the habitat in this section of the Plomosa Range.

PROJECT OBJECTIVES:

Increase the quality and amount of available bighorn sheep and mule deer habitat during water stress periods.

PROJECT DESCRIPTION AND STRATEGIES:

Create a perennial water source using an underground PVC pipe design with natural collection area.

PROJECT LOCATION:

Plomosa Mountains, La Paz Co., AZ, (T.3 N. R.18 W. S.11) (33° 36.862'N 114° 05.731'W)

LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):

U.S. Bureau of Land Management (Yuma Field Office)

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

YES[] NO[]

HABITAT DESCRIPTION:

The Plomosa Mountains have elevations ranging from 1350' near the base to 3402' at Dripping Springs Peak. The topography ranges from gentle bajadas and rolling hills to high benches, rugged cliffs, and ridges. Both Upper and Lower Sonoran desert scrub plant communities are represented in the proposal area. The next nearest perennial bighorn sheep water is 1.06 miles to the east-southeast.

ITEMIZED USE OF FUNDS:

Special Big Game Tag Funds

Materials: -	24"dia. x 20' = \$536 (per pipe) x 20 pipes	\$10,720
	24"dia solid end caps = \$256 x 4.....	\$1,024
	24"dia. End caps w/ 2" outlets = \$287 x 4.....	\$1,148
	Connective plumbing, which should include 30' of 2" flexible	
	spa hose, various adaptors and connectors, glue and primer, street	
	ells, 4" schedule 40 pipe, 6" schedule 40 pipe, etc.....	\$1,200
	Cement, hardware cloth, stucco, lathe, 24" galvanized nipples, etc...	\$700
	Walk-in trough 3' fiberglass.....	\$800
Helicopter Services – Ferry	\$650/hr x 4 hr., Work \$925/hr x 8 hr.....	\$12,600
Fuel Truck -	\$1.30/ mile x 800 miles.....	\$1040

Water Rights Application.....	\$2,000
TOTAL TAG FUNDS.....	\$31,232
<u>Cost Share or Matching Funds</u>	
Volunteer labor @ \$113/man day x 200 man days	\$22,600
Volunteer mileage @ \$.445/mile x 5000 miles.....	\$2,225
TOTAL COST SHARE.....	\$24,825

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

AGFD Region IV in conjunction with Habitat Branch and BLM personnel will complete the needed environmental and cultural clearances for project completion. AGFD Region IV and Development Branch will provide construction coordination including transport of necessary tools and material to and from the staging area. The ADBSS will provide volunteer labor associated with construction of the water development

PROJECT MONITORING PLAN:

AGFD Region IV will monitor water levels according to the Regional water development protocol.

PROJECT MAINTENANCE:

AGFD Region IV will perform routine maintenance checks and assess performance during regular water monitoring activities and coordinate with AGFD Development Branch to conduct any needed maintenance.

PROJECT COMPLETION REPORT TO BE FILED BY:

Deanna Pflieger, AZGFD, Region IV

WATER DEVELOPMENT PROJECTS (*see attached worksheet*):

Yes

ARIZONA GAME AND FISH DEPARTMENT

WATER DEVELOPMENT WORKSHEET

PROJECT NAME: Scadden Tank

- 1) **Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?"**
Yes
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Ed Jahrke/Joe Currie 8/25/2011
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**
☐2-4 ☒4-6 ☐6-8 ☐8-10 ☐10-12 ☐12-14 ☐14-16 ☐ >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**
YES☒ (please complete #5 below) NO☐ (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**
Name of water source: Dripping Springs
Type of water source (catchment, spring, dirt tank): spring
Ownership of water source: BLM
Distance in miles from project: 1.06 mi
- 6) **Is the target wildlife species a result of transplant efforts?** YES☐ NO☒
Important source for transplants elsewhere however
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**
None
- 8) **Please provide the following information about access to the proposed site:**
Type of access (mark one): ☐2x4 vehicles ☐4x4 only ☒foot only**
**If foot access only: Distance in miles: 0.74 mi Approximate hiking time: 20 min

-- Does access to this site require crossing private or tribal lands? YES☐ NO☒

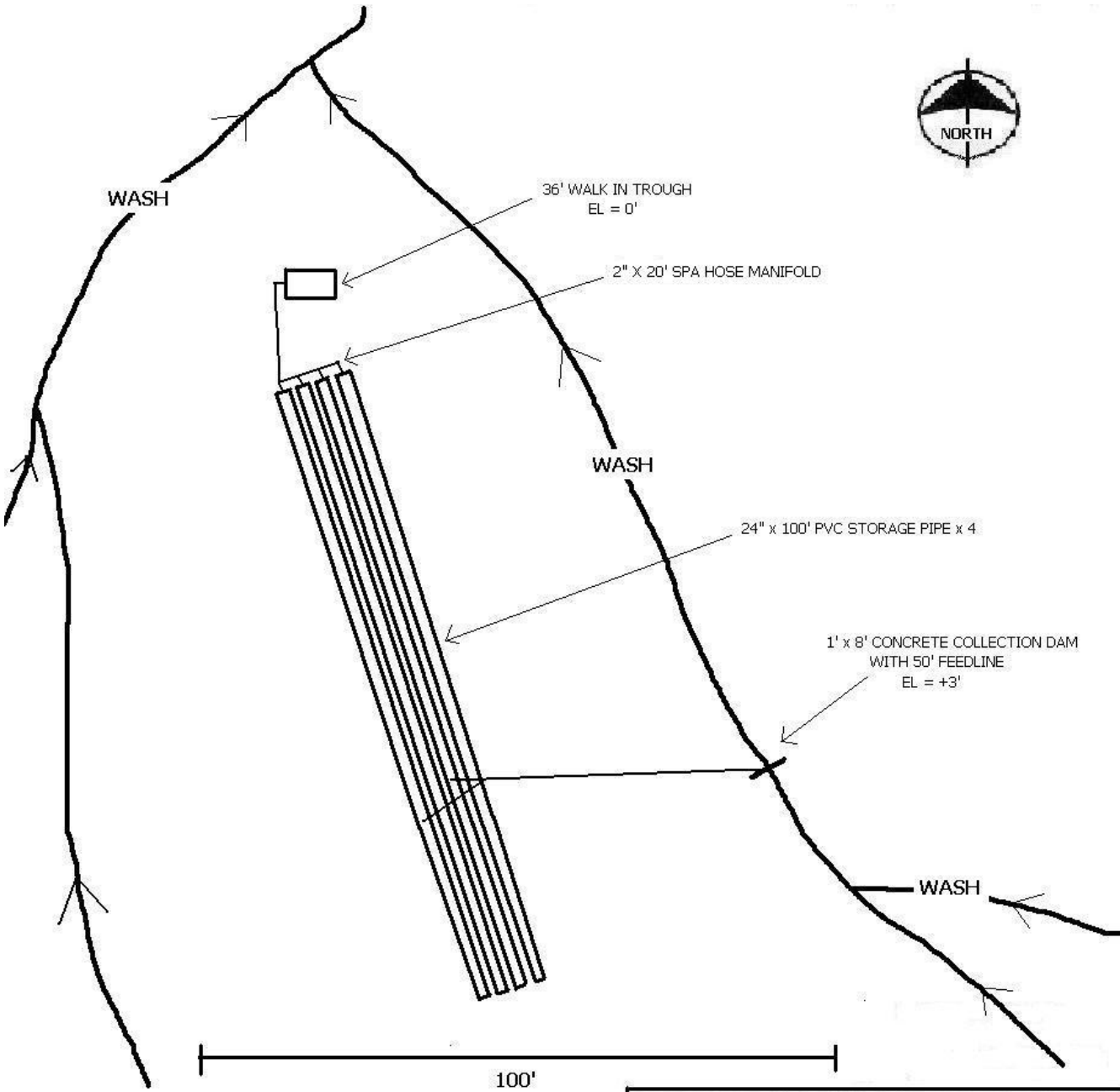
-- Please describe any restrictions to public access: none

Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

See schematic drawing (4-100' lengths of pvc, plumbing and collection point, 36" walk-in trough)

- 9) **Was a site visit completed?** Yes☒ No☐
If Yes, please list personnel that attended and date.

8/11/2011 D. Pfleger & Dave Conrad



ARIZONA GAME AND FISH DEPARTMENT		
SCHEMATIC DRAWING OF: SCADDEN		
N 33 36.85 W 114 5.72		
LA PAZ COUNTY, ARIZONA		
BY	DAVE CONRAD	DATE
		8-26-11

